

What is claimed is:

1. A system for home automation control wherein a user at a remote location away from a home is provided with access to devices installed within the home through an internet connection, comprising:

a browser internet connection to a first web server having an associated first web site with a main page providing a home automation graphical user interface (GUI) identifying home automation control functions;

a gateway at the home communicating with the first web server, the gateway including a second web server having an associated second web site with a main page including links to additional second web site pages;

one or more home devices for providing home automation control functions within the home, each home device having an associated device page provided as an additional second web site page selectable and accessible from the second web site main page; and

a controller interfaced to the gateway and coupled to the home devices for bidirectional communication therebetween, the controller routing an information packet between the gateway and a home device in accordance with a selection made by a user through the home automation GUI of the first web site and the main page of the second web site.

2. The system of claim 1 wherein the home device is a smart appliance.
3. The system of claim 1 wherein the home device is a digital utility meter.
4. The system of claim 3 wherein the communication link between the controller and

the gateway is an interrogated connection type involving access to a digital utility meter on an interval basis.

5. A system for home automation control wherein a user at a remote location away from a home is provided with access to devices installed within the home through an internet connection, comprising:

- a browser internet connection to a first web server having an associated first web site with a main page providing a home automation graphical user interface (GUI) identifying home automation control functions;
- a gateway at the home communicating with the first web server, the gateway including a second web server having an associated second web site with a main page including links to additional second web site pages;
- one or more smart home devices for providing home automation control functions within the home based upon digital input control data, each smart home device having an associated device page provided as an additional second web site page selectable and accessible from the second web site main page;
- one or more switched home devices for providing home automation control functions within the home based upon an on/off control input, each switched home device having an associated device page provided as an additional second web site page which is selectable from the second web site main page;
- a first controller interfaced to the gateway and coupled to the smart home devices, the first controller providing bi-directional communication routing of an information packet between the gateway and a home device in accordance with a selection made by a user through the home automation GUI of the first

- web site and the main page of the second web site; and
- a second controller interfaced to the gateway and coupled to the switched home devices for communication therewith, the second controller applying a control input to a switched home device in accordance with a selection made by a user through the home automation GUI of the first web site and the main page of the second web site.
6. The system of claim 5 wherein the switched home devices are relay-controlled devices.
7. The system of claim 5 wherein the switched home devices are selected from a group consisting of lighting circuits and electrical outlets.
8. A system for home automation control wherein access to devices installed within the home is provided through an internet connection with a web server facility, comprising:
- an internet connection with a web server facility on the internet;
 - a gateway at the home having a local web server communicating with the web server facility through a broadband internet connection, the gateway including a web communicator to authenticate information packets sent from the web server facility and a translator that evaluates authenticated information packets from the web communicator;
 - one or more home devices for providing home automation control functions within the home; and
 - a controller interfaced to the translator of the gateway and coupled to the home devices, the controller routing an information packet to a home device in accordance with an identification of an authenticated web server facility

information packet and an identified home device.

9. The system of claim 8 wherein the web server facility is a utility company.
10. The system of claim 9 wherein the home device comprises a digital utility meter.
11. The system of claim 10 wherein the web communicator operates to provide bi-directional communication of data packets between the home device and the web server facility including a data packet sent to the web server facility and containing a reading of the digital utility meter.
12. The system of claim 10 wherein the web server facility sends information packets provided through the controller to the digital utility meter that permits the web server facility to have control access to the meter.
13. The system of claim 10 wherein the communication link between the controller and the gateway is an interrogated connection type involving access to a digital utility meter on an interval basis.
14. A system for home automation control wherein a user at a remote location away from a home is provided with access to devices installed within the home through an internet connection, comprising:
 - a browser internet connection to a web server having an associated web site with a main page providing a home automation graphical user interface (GUI) identifying home automation control functions;
 - a gateway at the home communicating with the web server, the gateway including:
 - a local web server providing a local IP address and having an associated local web site with a main page including links to additional local web site

pages,
a web communicator to accept and authenticate information packets sent
from the remote web server; and
a translator to evaluate authenticated information packets from the web
communicator for routing to a designated destination;
one or more home devices for providing home automation control functions within
the home, each home device having an associated device page provided as an
additional local web site page selectable from the local web site main page;
and
a controller interfaced to the gateway translator and coupled to the home devices, the
controller applying control data within an information packet from the
translator to a home device in accordance with a selection made by a user
through the home automation GUI of the remote web site and the main page
of the local web site.

15. The system of claim 14 further comprising a personal computer network connected
to the gateway to make the files residing on a personal computer connected to the network
accessible by the user through the browser internet connection to the remote web server.

16. A system for home automation control wherein a user at a remote location away from
a home is provided with access to devices installed within the home through an internet
connection, comprising:

a browser internet connection to a web server having an associated web site with a

main page providing a home automation graphical user interface (GUI) identifying home automation control functions;

a gateway at the home communicating with the web server, the gateway including:

- a local web server providing a local IP address and having an associated local web site with a main page including links to additional local web site pages,
- a web communicator to accept and authenticate information packets sent to the gateway from the remote web server,
- a translator to evaluate authenticated information packets passed from the web communicator over a local path for routing to a designated destination,
- an emulator taking data specific to a home device from the translator and presents it to the additional local web site page associated with that specific home device; and

one or more home devices for providing home automation control functions within the home, each home device having an associated device page provided as an additional local web site page selectable from the local web site main page;

and

a controller interfaced to the gateway translator and coupled to the home devices, the controller applying control data within an information packet from the translator to a home device in accordance with a selection made by a user through the home automation GUI of the remote web site and the main page

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